

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
17 February 2005 (17.02.2005)

PCT

(10) International Publication Number
WO 2005/014143 A2

- (51) International Patent Classification⁷: **B01D 46/24**
- (21) International Application Number:
PCT/NL2004/000564
- (22) International Filing Date: 11 August 2004 (11.08.2004)
- (25) Filing Language: Dutch
- (26) Publication Language: English
- (30) Priority Data:
1024083 11 August 2003 (11.08.2003) NL
- (71) Applicant (for all designated States except US): **SGT SINGAPORE HOLDINGS PTE LTD. C.I.P.O.F. [SG/SG]; 8 Cross Street # 11-00, PWC Building, Singapore 048424 (SG).**
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **VAN DER MAAS, Marinus, Frans [NL/NL]; Veersegat 18, NL-4341 LC Arnemuiden (NL).**
- (74) Agent: **WINCKELS, J.H.E.; Nieuwe Parklaan 97, NL-2587 BN Den Haag (NL).**
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: IN-LINE FILTER WITH QUICK-CHANGE COUPLING AND A FILTER

(57) Abstract: An in-line filter provided with a substantially elongated filter housing (1; 51) in which filtering material (A) is included, the filter housing being provided on a first end with an inflow opening (2) and, on a second, opposite end with an outflow opening (3), while at the inflow opening (2) and the outflow opening (3) fastening means (4 - 7) are provided for fastening a supply or discharge tube, respectively (8 or 9, respectively), while the fastening means (4 - 7) are quick-change couplings (4 - 7), a respective quick-change coupling (4, 5; 6, 7) having a coupled condition and an uncoupled condition, while in the quick-change coupling (4, 5; 6, 7) a shut-off valve (10) is provided which, in the coupled condition, assumes an open position thus allowing gas to pass and which, in an uncoupled condition, assumes a closed position thus not allowing gas to pass.

WO 2005/014143 A2